

# AHSAN SHAJEE AHMED

B.Tech  
Computer Science & Engineering  
Kalinga Institute of Industrial Technology, Bhubaneswar

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech (CSE)	Kalinga Institute of Industrial Technology, Bhubaneswar	9.12 / 10	2021-2025
Senior Secondary	La Martiniere For Boys, Kolkata - ISC	87.75	2021
Secondary	La Martiniere For Boys, Kolkata - ICSE	90.2	2019

**Coursework:** Data Structures & Algorithms, Object Oriented Programming, Design & Analysis of Algorithms, Operating Systems, Computer Networks, Computer Organization & Architecture, Database Management Systems, Web Technology, Cloud Computing, Machine Learning, Artificial Intelligence

## EXPERIENCE

- B4B Technologies (B4B.ai)** May 2024 - August 2024  
*Frontend Developer* Kolkata
  - Integrated RESTful APIs using Axios and Next.js, enhancing data access efficiency and contributing to a 10% improvement in API response times.
  - Collaborated with backend teams to streamline integration processes, which helped reduce page load times by 15%.
  - Developed responsive web components using TypeScript (TSX), React, HTML, and CSS, enhancing user interface consistency and accessibility.
  - Optimized API calls, achieving a 5% boost in data retrieval speed and improving overall application performance.

## PROJECTS

- Loan Management App | <https://github.com/AhsanSAhmed/Money-Lending-App-Backend>**  
*Tools: Node.js, Express, MongoDB*
  - Built a backend service for loan management, similar to Slice and KreditBee.
  - Implemented an approval system that validates applications based on age and salary criteria.
  - Designed secure authentication APIs with JWT tokens for user access control.
  - Designed APIs to manage user data and borrowing processes, including updating purchase power and calculating repayment details.
- Cancer-MLModels | [https://github.com/AhsanSAhmed/BreastCancer\\_MLModels](https://github.com/AhsanSAhmed/BreastCancer_MLModels)**  
*Tools: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, XGBoost*
  - Built an ML model to predict tumor malignancy, improving accuracy over baseline models.
  - Evaluated models using accuracy, precision, recall, and AUC-ROC scores.
  - Applied ensemble learning techniques (Voting Classifiers and Stacking Classifiers), which enhanced model performance over baseline classifiers.
  - Identified the best-performing algorithm for diagnosis by analyzing performance metrics and dataset characteristics.
- Stokify | [https://github.com/AhsanSAhmed/Stock\\_App](https://github.com/AhsanSAhmed/Stock_App)**  
*Tools: Python, React, JavaScript, MongoDB Atlas, Render*
  - Developed a comprehensive stock analysis and prediction platform with dynamic navigation and a homepage showcasing the top 25 traded stocks.
  - Implemented detailed stock pages with key statistics, high-low plots, EMA (Exponential Moving Average) plots, and an LSTM model for stock movement prediction based on historical data.
  - Designed an interactive stock quiz to educate users about stock movement essentials, comparing user predictions with the LSTM model's predictions.

## TECHNICAL SKILLS

- Languages:** Java, C/C++, Python, SQL
- Databases:** MySQL, MongoDB
- Web Development:** HTML, CSS, JavaScript, TypeScript, React
- Machine Learning & AI:** NumPy, Pandas, Scikit-learn, XGBoost, Seaborn
- Computer Vision:** MediaPipe and OpenCV
- Tools:** Git/GitHub, Unix Shell

## CERTIFICATIONS

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- University of Colorado : Cloud Computing Security
- University of Colorado : Advanced System Security Topics
- Cognizant : Agile Methodology Job Simulation
- Hackerrank : Intermediate Programming
- Guvi : Python
- Coursera : Introduction to Cloud Computing

## LANGUAGES

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**Languages:** English, Hindi, Bengali

## EXTRA-CURRICULAR ACTIVITIES

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- **Guest Relations Coordinator** La Martiniere For Boys, Kolkata
  - Managed guest interactions as a key member of the admin team for a school event, overseeing guest arrival and reception to ensure a smooth experience.
  - **Annual Eid Event Coordinator** Rajarhat, Newtown
  - Played a key role in the annual organization and management of the community Eid Namaz, contributing to logistics, crowd coordination, and event execution. Worked alongside the planning team to ensure a smooth, well-organized gathering, demonstrating leadership, reliability, and effective teamwork.
  - **School Football Team Member** La Martiniere For Boys, Kolkata
  - Contributed as a key player on the school football team, showcasing teamwork, sportsmanship, and dedication on the field during competitive matches and training sessions.
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